

File - ECPA

LOCKHEED AIRCRAFT CORPORATION		ENGINEERING STUDY <input type="checkbox"/>	CHANGE PROPOSAL <input checked="" type="checkbox"/>	LAC-152						
DATE 29 MARCH 1963		AFFECTS: WSPO <input checked="" type="checkbox"/>	PROJECT <input checked="" type="checkbox"/>							
NAME OF MAJOR COMPONENT		PART OR LOWEST SUBASSEMBLY		PART NO. & MODEL OR TYPE						
TITLE OF PROPOSAL : <u>PROVIDE OVERHEAT PROTECTION FOR HEATER-BLOWER</u>										
NATURE OF PROPOSAL :  SEE PAGE 2										
REASON FOR PROPOSAL :  In two recent instances the blower of the R-256-3 Heater-Blower failed and the heater continued to operate. Without the flow of air past the heater, excessive localized heat resulted, burning the heater housing and supporting structure. Present circuitry provides protection from overheating in cases where the blower fails due to a blocked rotor or the motor windings are shorted to ground. In cases where the blower fails due to open motor windings, present circuitry does not provide protection against overheating.										
ES	ESTIMATED COST AND TIME INVOLVED :									
ADDITIONAL FUNDING REQUIRED :										
CP	ESTIMATED COST FOR KITS OR PARTS : See Page 3									
ADDITIONAL FUNDING REQUIRED : Yes (SP-1923) Both Customers										
ITEMS AFFECTED BY PROPOSAL :										
SAFETY <input type="checkbox"/>	MISSION EFFECTIVENESS <input type="checkbox"/>	PERFORMANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER-CHANGEABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD					Project - 24 Hrs. WSPO - 8 Hrs.					
SOURCE OF PARTS FOR KIT LAC & CUST.					AVAILABILITY _____ WEEKS AFTER APPROVAL SEE PAGE 3					
DISPOSITION OF SPARES AFFECTED Return all R-256-3 Heater-Blowers to Factory for modification					STAT					
INITIATED BY : LAC Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180022-0					APPROVED : WSPO					

Nature of Proposal:

1. Return all R256-3 heater blowers to the factory for modification. The modification will consist of the addition of two (2) terminals and a thermostat. All units to be re-identified.
2. All "B" & "B VI" configuration hatches will be revised by adding a relay and minor wiring changes to lock out the heater if high temperatures occur.
3. On project aircraft only the cockpit defroster wiring will be revised to turn off the heater if a high temperature occurs.
4. Prepare and issue a Service Bulletin and fabricate the necessary kits:

The modified heater blowers can be used in unmodified hatches and aircraft. Unmodified blowers can not be used in modified aircraft and hatches. Therefore, blowers must be part of the kits.

STAT

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